

CLAIMS

What is claimed is:

- 1 1. A method for locating a blood vessel, comprising the steps of:
 - 2 transmitting waves into a body part through which a blood vessel runs;
 - 3 detecting reflections of the waves;
 - 4 determining a location of the blood vessel responsive to detecting the reflections of
 - 5 the waves; and
 - 6 providing a visual indication at a location that is adjacent to the blood vessel, the
 - 7 visual indication being provided via a device that is attached to the body part.
- 1 2. The method of claim 1, wherein the waves comprise at least one of sound waves, optical
- 2 waves, and magnetic waves.
- 1 3. The method of claim 1, wherein the step of providing the visual indication comprises
- 2 turning on a light.
- 1 4. The method of claim 1, wherein the step of providing the visual indication comprises
- 2 changing a brightness of a portion of a display device.
- 1 5. A system comprising:
 - 2 a transmitter configured to transmit waves into a body part through which a blood
 - 3 vessel runs;
 - 4 a receiver configured to receive reflections of the waves transmitted by the
 - 5 transmitter;
 - 6 a processor that is programmed to determine a location of the blood vessel responsive
 - 7 to the receiver receiving the reflections of the waves; and
 - 8 a display device that is configured to provide a visual indication at a location that is
 - 9 adjacent to the blood vessel responsive to the processor determining the
 - 10 location of the blood vessel;
 - 11 wherein the system is configured to be attached to the body part.
- 1 6. The system of claim 5, wherein the waves comprise at least one of sound waves, optical
- 2 waves, and magnetic waves.

1 7. The system of claim 5, wherein the display device comprises a liquid crystal display
2 (LCD).

1 8. The system of claim 5, wherein the display device comprises light-emitting diodes
2 (LEDs).

1 9. A system for locating a blood vessel, comprising the steps of:
2 means for transmitting waves into a body part through which a blood vessel runs;
3 means for detecting reflections of the waves;
4 means for determining a location of the blood vessel responsive to detecting the
5 reflections of the waves;
6 means for providing a visual indication at a location that is adjacent to the blood
7 vessel; and
8 means for attaching the system to the body part.

1 10. The system of claim 9, wherein the waves comprise at least one of sound waves, optical
2 waves, and magnetic waves.

1 11. The system of claim 9, wherein the means for providing a visual indication comprises a
2 liquid crystal display (LCD).

1 12. The system of claim 9, wherein the means for providing a visual indication comprises
2 light-emitting diodes (LEDs).